



**LOUISIANA**  
**POWER & LIGHT**

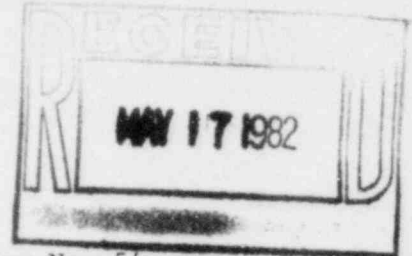
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May 11, 1982

G. D. McLENDON  
Senior Vice President

W3K-82-0271  
Q-3-A35.07.54

Mr. John T. Collins, Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76012



SUBJECT: Waterford SES Unit No. 3  
Docket No. 50-382  
Interim Report of Significant Construction Deficiency No. 54  
"Tube Steel (HT 16600) Laminations"

Reference: Telecon - L. L. Bass (LP&L) to L. Martin (NRC) on 4/2/82

Dear Mr. Collins:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report of Significant Construction Deficiency No. 54, "Tube Steel (HT 16600) Laminations."

If you have any questions, please advise.

Very truly yours,

*G. D. McLENDON*

GDMcL/LLB/grf

Attachment

- cc: 1) Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555  
(with 15 copies of report)
- 2) Director  
Office of Management  
Information and Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555  
(with 1 copy of report)

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LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

INTERIM REPORT OF  
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 54

TUBE STEEL (HT 16600) LAMINATIONS

Reviewed by *R. J. Milhiser* 5/10/82  
R. J. Milhiser - Site Manager Date

Reviewed by *J. L. Wills* 5/10/82  
J. L. Wills - Project Superintendent Date

Reviewed by *J. Hart* 5-10-82  
J. Hart - Project Licensing Engineer Date

Reviewed by *J. DeBruin* 5/10/82  
J. DeBruin - ESSE Project Engineer Date

Reviewed by *J. Gutierrez* 5-10-82  
J. Gutierrez - Q. A. Site Supervisor Date

May 10, 1982

INTERIM REPORT  
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 54  
"TUBE STEEL (HT 16600) LAMINATIONS"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes a condition discovered on material (Tube Steel HT-16600) and specifically identifies obvious laminations observed on uninstalled pieces. This problem is considered reportable under the requirements of 10CFR50.55(e). To the best of our knowledge, this problem has not been identified to the Nuclear Regulatory Commission pursuant to 10CFR21.

DESCRIPTION

Mercury Company of Norwood, Inc., through issuance of Nonconformance Report W3-3304, identified that a section of tube steel fabricated from Heat Number 16600 had laminations. Eighty (80) feet of tube steel was utilized by Mercury in installations of seven (7) supports for the Steam Generator System. Also, Tompkins-Beckwith, Inc., utilized one hundred sixty (160) feet of this tube steel in the fabrication of twenty-six (26) hangers for the following systems: Waste Management, Chemical and Volume, Reactor Cooling, Safety Injection, Chilled Water, Component Cooling, and Valve Supports. Approximately eighty (80) feet of this steel has not yet been identified, and currently a search is being made to locate the remaining eighty (80) feet. This material was procured under Purchase Order Number WP3-5908 and supplied by Mills Alloy Co., Twainsburg, Ohio.

SAFETY IMPLICATIONS

The extent of potential impact on safety-related systems is pending review of additional information as described below by Ebasco Site Support Engineering (ESSE).

CORRECTIVE ACTION

Subcontractors Mercury Company of Norwood, Inc., and Tompkins-Beckwith, Inc., have been instructed to identify usage of all material as related to original purchase order. A special transducer has been procured, and three (3) twenty-foot lengths of tube steel, Heat No. 16600, have been ultrasonically tested to determine the characteristics of the laminar indications. ESSE is now in the process of determining what corrective action is to be initiated in order to resolve all deficiencies. It is estimated that an Interim Status Report based on these actions will be submitted to the USNRC by June 25, 1982.